



## José Filipe Ferreira

MSc in Industrial  
Engineering and  
Management

### About

Industrial Engineer with a solid knowledge in the areas of Information Technologies (IT).

**Motivated to pursue a career in IT.**

Resilient to face any challenge and willing to learn and grow in this field.

### Contact details:

#### Address:

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#### Github:

<https://github.com/jfilipeferreira96>

#### Website:

<https://jfilipeferreira96.github.io/personal-website/>

### Skills

#### Programming languages:

- HTML
- CSS/SCSS
- JavaScript ES6
- PHP
- Django
- MySQL
- Git

#### Currently learning:

- ReactJs
- NodeJs

#### Note:

I also intend to enroll in a graduate or master's degree in this area.

### Professional Background

#### Heliotextil, S.A

2021 - Today

- Mapped out the entire production process and created documents related to this process. Gathered requirements for the creation of a Web platform for a department of this organization.
- I took the challenge of developing a Web application from scratch in order to improve the scheduling and mainly the production control of this production unit.
- This Web application is based on Industry 4.0. It receives data from both operators and from sensors installed in the machines. Finally, the data is processed and presented in an understandable way.
- This application uses the following technologies: HTML, CSS/SCSS, JavaScript, MySQL, PHP and responsive frameworks such as Bootstrap.

#### AMÉRICO COELHO RELVAS, SUCRS, S.A

Curricular internship | 2019 - 2020

- Mathematical modeling using constraints (combinatorial optimization) of the shop floor of this sector. In order to provide a better solution to the planning of the orders using a software called IBM ILOG CPLEX.
- This project resulted in my master's thesis, which was chosen to be presented in 2021 at the XXI Congress of the Portuguese Operational Research Association (<http://apdio.pt/web/io2021/home>).
- Planning and production scheduling of a sector of this organization.
- Handling energy consumption data, created and monitored maintenance plans, and made suggestions for improvements.

### Academic Background

#### Universidade de Aveiro 2015-2020

- Industrial Engineering and Management (Integrated Master)

# Attachment

## Certifications:

Throughout the past year, apart from consuming a lot of material of this field, I have also completed some courses.

### Javascript ES6

- <https://www.udemy.com/certificate/UC-88883412-c720-43e4-a5b3-ce44f853f11c/>
- <https://www.udemy.com/certificate/UC-c4bf779f-98d8-4780-baf9-8b67947efb77/>

### PHP

- <https://www.codecademy.com/profiles/josFilipeFerreira8387397809/certificates/d24ce3aa4ed99ac04afffec4a78e2e44>

### SQL

- <https://www.codecademy.com/profiles/josFilipeFerreira8387397809/certificates/042a4e5884e3eb6ea1f2a12be6abb851>

### Git & Github

- <https://www.udemy.com/certificate/UC-6bc221fb-6c44-42e2-8c5a-d5d2643f3945/>

### Responsive Web Design

- <https://www.udemy.com/certificate/UC-9633e9ab-b378-4e8d-9e5e-8314314199e1/>
- <https://www.freecodecamp.org/certification/fccd6308985-2e8d-4780-8b7d-2d4e96134076/responsive-web-design>

### CS50's Web Programming with Python and JavaScript

- <https://pll.harvard.edu/course/cs50s-web-programming-python-and-javascript?delta=0>
- In evaluation process (waiting to receive the certificate).